

CLAIMS

1. A method of providing in-band location information in an emergency response network, the method comprising the steps of:
obtaining information relating to an emergency communication session; and
transmitting in-band location information associated with the obtained information over the emergency communication session.
2. The method of claim 1, wherein the emergency call session is between an access device and a Public Safety Answering Point (PSAP).
3. The method of claim 1, further comprising the step of determining a location of the access device.
4. The method of claim 1, wherein the location information is transmitted from the access device to the PSAP.
5. The method of claim 1, wherein the step of transmitting comprises transmitting audible location information associated with the emergency communication session.
6. The method of claim 1, wherein the step of transmitting comprises transmitting machine readable location information associated with the emergency communication session.
7. The method of claim 1, further comprising a step of connecting the emergency communication session from an access device to a Public Safety Answering Point (PSAP), and wherein transmitting in-band location information comprises transmitting location information associated with an access device to the PSAP.
8. The method of claim 1, wherein the emergency communication session is generated on a data network from an access device.

9. The method of claim 8, wherein the access device is an Internet Protocol (IP) access device, and wherein the call is a Voice over IP phone call.

10. A method of providing in-band location information in an emergency response network, the method comprising the steps of:

registering an access device on the data network;

identifying a location of the access device;

generating location information associated with the location of the access device;

associating the location information with the access device; and

making in-band information available on an emergency communication session, wherein the in-band information comprises at least one of the location information and information derived from or associated with the location information.

11. The method of claim 10, wherein the step of making the in-band information available comprises generating audible location information and transmitting the audible location information on the emergency communication session.

12. The method of claim 11, wherein the in-band information is geodetic information.

13. The method of claim 11, wherein the in-band information is civic information.

14. The method of claim 11, wherein the in-band information is pre-recorded information relating to the location of the access device on the data network.

15. The method of claim 10, wherein the step of making the in-band information available comprises generating machine readable location information and transmitting the machine readable location information on the emergency communication session.

16. The method of claim 10, wherein the step of making the in-band information available comprises generating location information in response to a request from a third party.

17. The method of claim 10, wherein the step of making the in-band information available comprises generating location information automatically during the emergency communication session.

18. An apparatus for generating location information associated with an emergency communication session placed on a data network, comprising:

an in-band location generator configured to transmit in-band location information associated with a location of an access device participating in the emergency communication session.

19. The apparatus of claim 18, further comprising a location information system configured to collect location information associated with the access devices on the data network.

20. The apparatus of claim 18, wherein the data network is a wireless data network.

21. The apparatus of claim 18, wherein the data network is an Internet Protocol (IP) network, and wherein the emergency communication session is a Voice over IP call.